

Blue Roof Ballasted System

BauderBLUE STORMcell stone ballasted blue roof

The BauderBLUE STORMcell stone ballasted blue roof system offers a low-cost blue roof. The RWR 100 attenuation cells have a high compressive strength enabling most plant equipment to be mounted directly on the RWR cells so simplifying the roof installation and maximising the water holding capacity of the roof.

	Function	Product name	Thickness (mm)	Weight (kg/m ²)
1	Ballast Layer	Rounded pebble ballast 50mm Typically 20 – 40mm.	50	80
2	Filtration layer	SV 600 Eco mat	6	3.8
3	Attenuation	RWR 100 attenuation cell	100	8.06
4	Protection Layer	FSM 600 protection mat	4	3.6
5	Underlying Waterproofing	Bauder's underlying waterproofing system	Not included	Not included
6	Flow Restrictor	ST flow restrictor and overflow	N/A	N/A
System build-up (saturated)			160	96

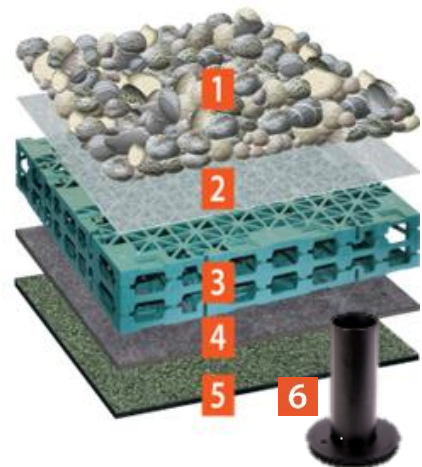
*Bauder supply various green roof systems to meet required biodiverse targets and other green roof requirements

In-depth and up-to-date product specific technical data is available for each element within a system.

Download from our website bauder.co.uk/technical-centre

Please note: Blue roof require careful design, the underlying deck must be designed to zero falls with no back falls away from outlets as per BS6229

Indicative stone ballasted blue roof system



System summary



Characteristics of the system

- Provides an effective SuDS solution with high water holding capacity (over 95 l/m²) per layer of RWR 100. Up to three layers of RWR can be used.
- Additional safety feature such as integrated overflows and tell-tale outlets to protect the roof integrity.
- Fully integrated system that enables a single source for all waterproofing and green roof products.
- The BauderBLUE system can be used with other Bauder systems such as BioSOLAR and green roof products.
- The RWR attenuation cell and ST flow restrictor are made from 100% recycled plastic.
- FSM 600 and SV 600 are made from 100% recycled polyester and polypropylene fibre mix.
- System can be laid on the following Bauder waterproofing solutions: Bituminous Membrane, Hot Melt systems.
- Comprehensive system guarantee packages including waterproofing and blue roof performance to meet project requirements.

Accreditations and approvals



OPTIONS AVAILABLE

Bauder supply detailed hard and soft landscaping solutions for blue roofs, see other system summaries at <https://www.bauder.co.uk/technical-centre/system-summaries/blue-roof-systems>

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System fire performance

The system arrangements tested or classified without further testing that achieve standards for fire performance are defined and verified in the relevant BBA certificate. When protected by an inorganic covering (e.g. gravel or paving) listed in the Annex of Commission Decision 2000/553/EC, the systems are considered Broof(t4) classification.

Bauder continually tests its systems for fire performance and so if the permutation of products you are specifying is not stated in our latest BBA certificate please contact technical@bauder.co.uk for clarification.